Ŋ Next labeled Nucleotide incorporation Label removed Labeled nucleotide incorporation

Ö

 $\boldsymbol{\omega}$

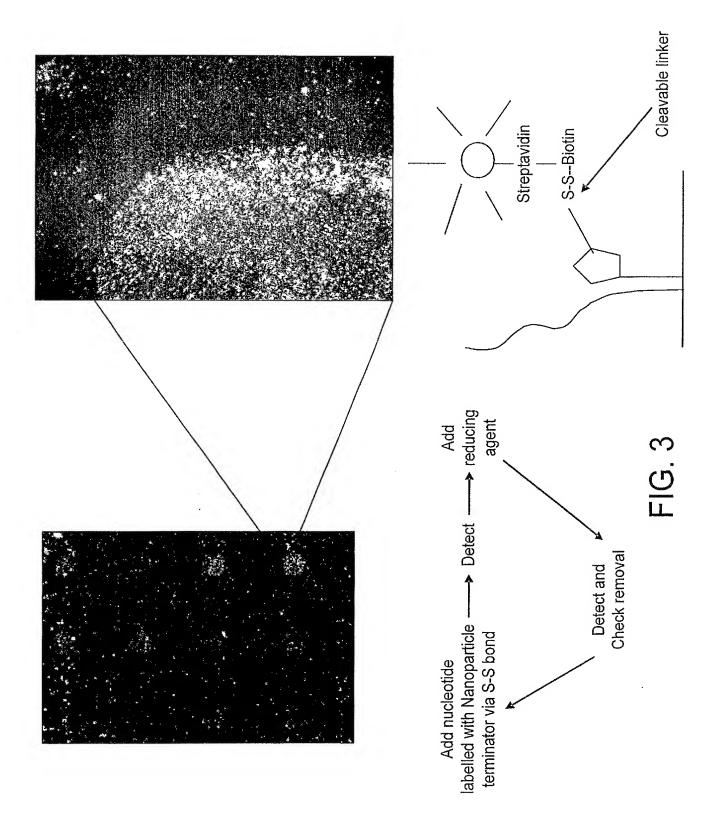
b

 $\boldsymbol{\omega}$

O

g

40x and 100x magnification showing combed DNA Sequencing initiated at nicks



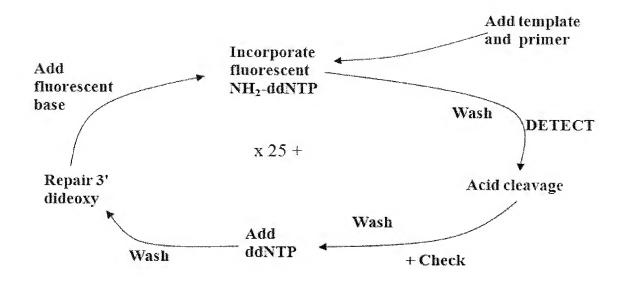


FIG. 4A

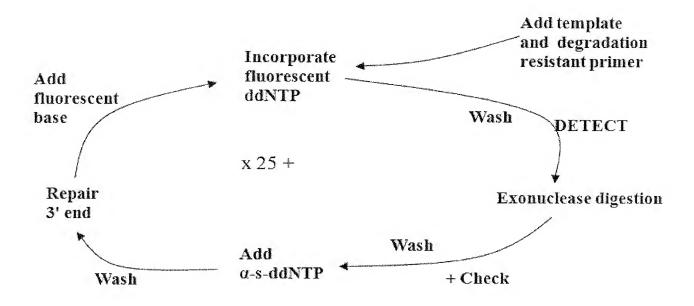
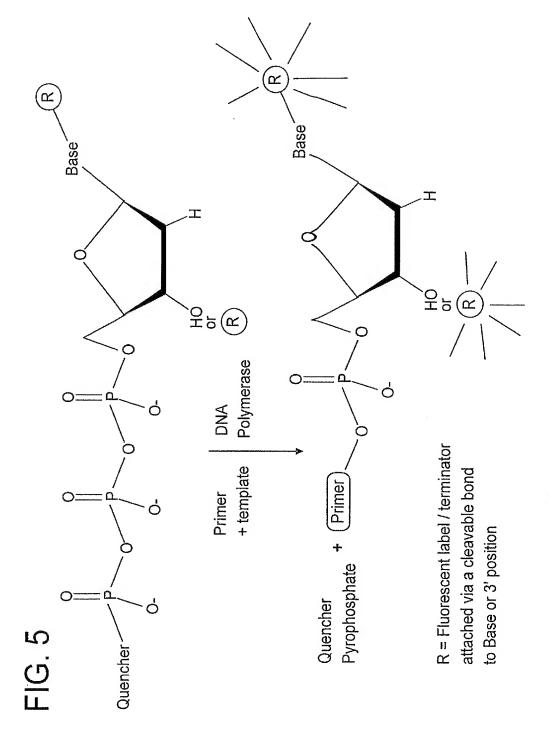
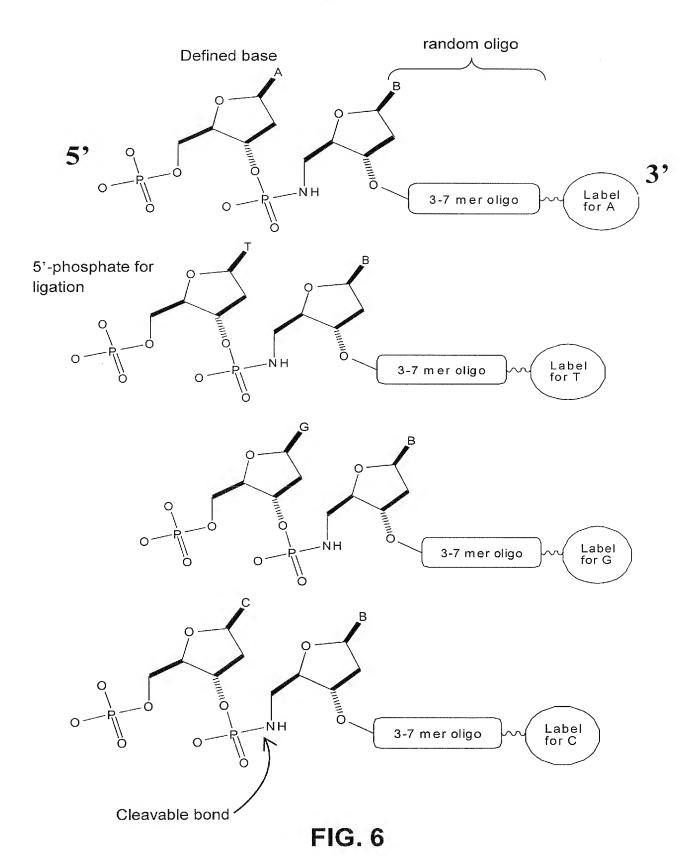
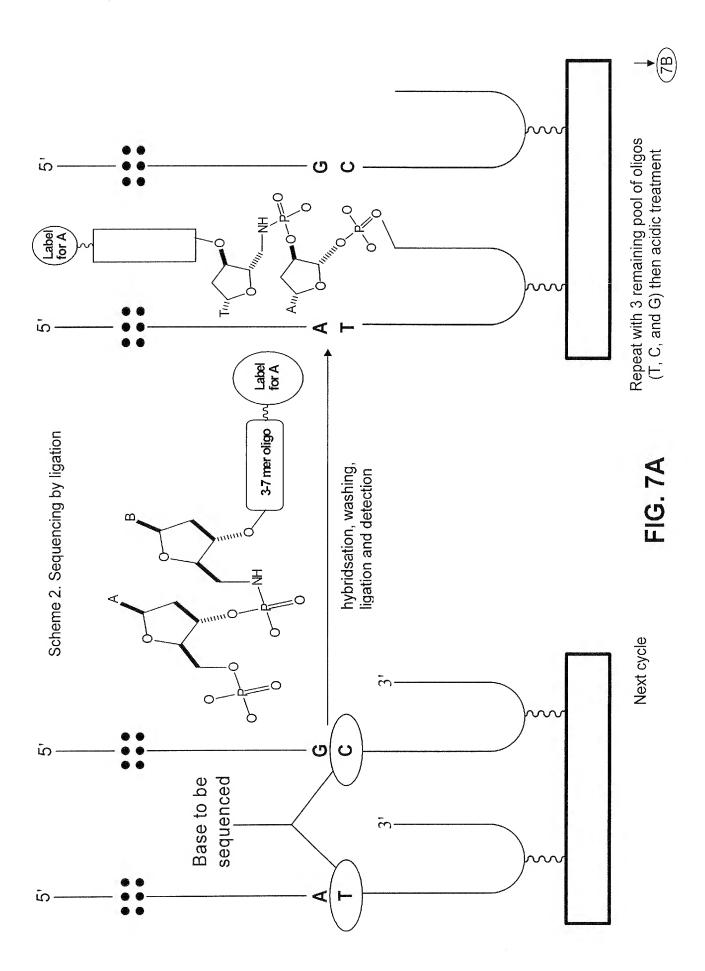


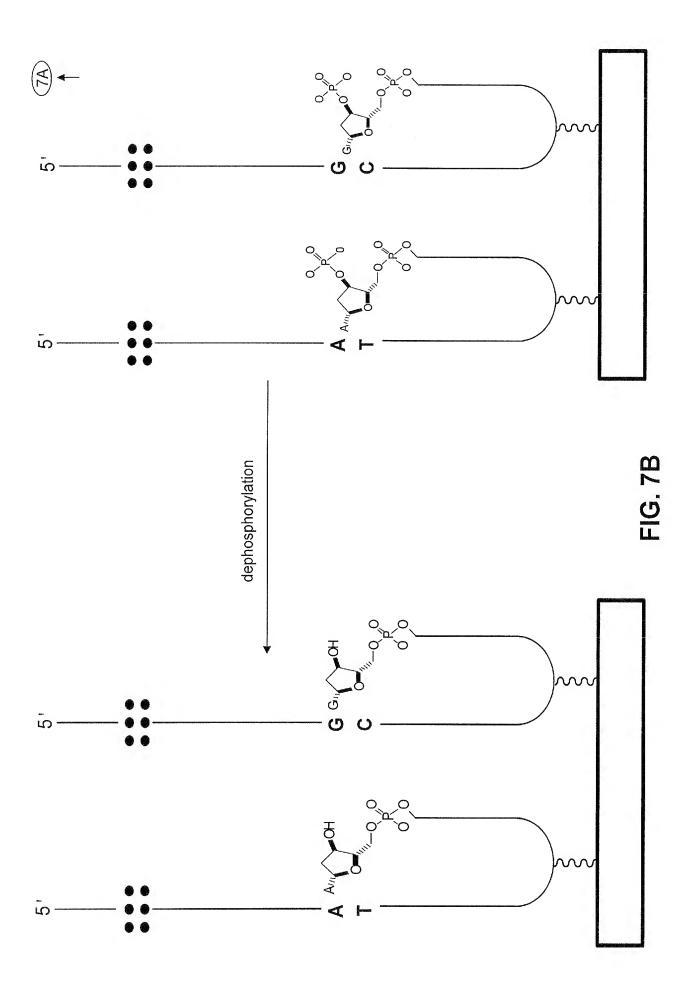
FIG. 4B



Scheme 1, Four groups of chemically synthesised randomised oligos for ligation







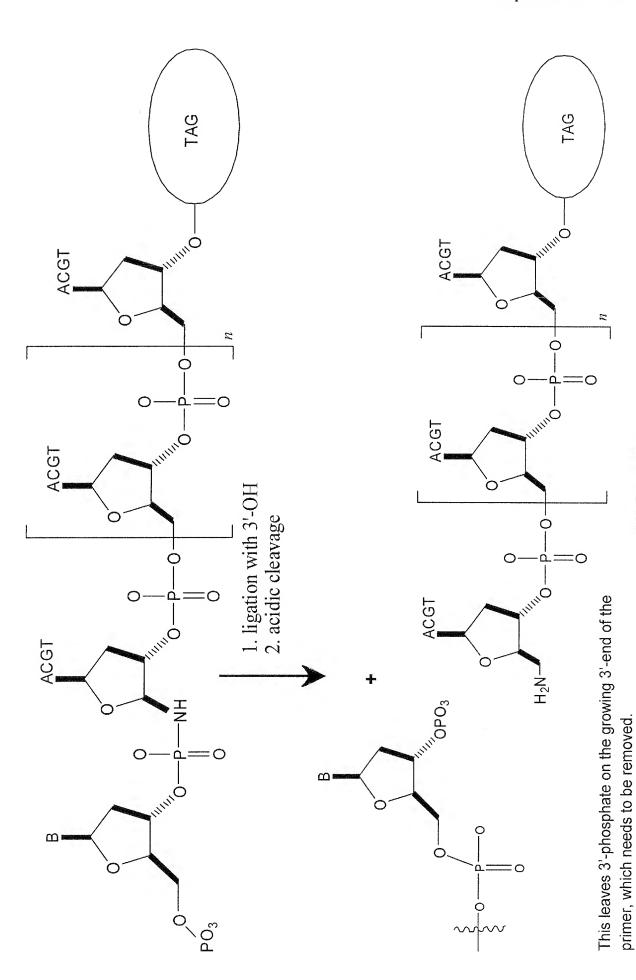


FIG. 8A

